

**REMARKS**

Favorable reconsideration and allowance of the subject application are respectfully requested in view of the following remarks.

**Summary of the Office Action**

Claims 5-6 and 17 remain rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,916,873 to Yamanoto et al.

Claims 7 and 11-16 remain rejected under 35 U.S.C. §103(a) as being unpatentable over Yamanoto et al.

**Summary of the Response to the Office Action**

Applicants have amended claim 5 to further define the invention and canceled claim 7 without prejudice or disclaimer. Accordingly, claims 5-7 and 11-17 remain pending in this application for further consideration.

**All Claims Define Allowable Subject Matter**

Claims 5-6 and 17 remain rejected under 35 U.S.C. §102(e) as being anticipated by Yamanoto et al. Claims 7 and 11-16 remain rejected under 35 U.S.C. §103(a) as being unpatentable over Yamanoto et al. To the extent that the rejections might be applied against the claims as newly-amended, they are respectfully traversed as being based on a reference or a combination of references that neither teaches nor suggests the novel combination of features recited in the claims.

With regard to independent claim 5, as newly-amended, Applicants respectfully submit that Yamanoto et al. does not teach or suggest the claimed combination, including at least a recited feature of “wherein the filling material has cured with a uniform composition without localizing at least the filler, the thermosetting epoxy resin and the dicyandiamide curing agent,” and a recited feature of “wherein the plated through-hole has a diameter of 200  $\mu\text{m}$  or smaller.”

In contrast to the present invention of newly-amended independent claim 5, Yamanoto et al. merely discloses in col. 2, lines 63-65 and col. 3, lines 6-8 that the liquid thermosetting resin composition (which allegedly corresponds to the claimed “filling material”) may comprise a plurality of elements such as (A) an epoxy resin, (B) a curing catalyst, (C) a filler and (D) a coupling agent. Yamanoto et al. fails to teach or suggest that the liquid thermosetting resin composition has cured with a uniform composition without localizing these elements. Moreover, Yamanoto et al. merely discloses a substrate having a diameter of through-hole of 0.3 mm. Accordingly, Applicants respectfully submit that Yamanoto et al. does not teach or suggest the claimed combination, including at least the feature of “wherein the filling material has cured with a uniform composition without localizing at least the filler, the thermosetting epoxy resin and the dicyandiamide curing agent,” and the feature of “wherein the plated through-hole has a diameter of 200  $\mu\text{m}$  or smaller,” as recited by newly-amended independent claim 5.

As pointed out in MPEP § 2131, “[t]o anticipate a claim, the reference must teach every element of the claim.” Thus, “[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. Verdegaal Bros. v. Union Oil Co. of California, 2 USPQ 2d 1051, 1053 (Fed. Cir. 1987).”

Accordingly, Applicants respectfully assert that the rejection of independent claim 5 under 35 U.S.C. § 102(e) should be withdrawn because Yamanoto et al. fails to teach or suggest each and

every feature recited in newly-amended independent claim 5. Moreover, the rejection of its dependent claims 6 and 11-17 should also be withdrawn for at least the same reasons as discussed above with regard to independent claim 5 and for the additional features that they recite.

Without other rejections pending, Applicants respectfully assert that claims 5-6 and 11-17 are in condition for allowance.

### **CONCLUSION**

In view of the foregoing, Applicants respectfully request entry of the amendments, reconsideration and the timely allowance of all pending claims. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under

37 C.F.R. § 1.136 not accounted for above, such as an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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